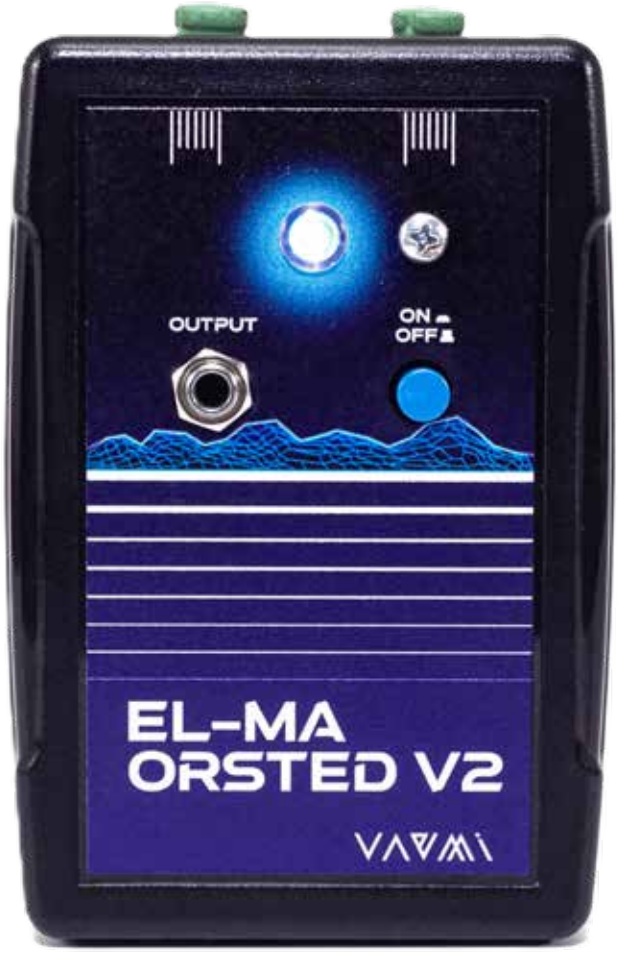

EL-MA ORSTED V2 MANUAL EN

El-Ma Ørsted V2

El-Ma Ørsted takes its name from Hans Christian Ørsted, the physicist and chemist known for his discoveries in the field of electromagnetism.
"El-Ma" is an abbreviation of the term electromagnetic field.
There are countless electromagnetic waves around us that we cannot notice, hear, or see. With El-Ma Ørsted, you can listen to this invisible world, transform these signals into sound, and create music from them.
El-Ma Ørsted can detect radio waves, electromagnetic fields, signals emitted by electronic devices, and environmental electromagnetic interactions. Its main difference from a conventional radio is that it allows you to listen to a much wider frequency range. This makes it possible to experience not only broadcasts, but the entire electromagnetic activity of your surroundings.
Taking a walk in the city, wandering in nature, or rediscovering the electronic world of everyday life with El-Ma Ørsted is extremely exciting. Electronic circuits, cables, phones, modems, power outlets, computers, hard drives, refrigerators, and LCD screens all seem to regain their sound through El-Ma Ørsted.

V2 Design and Construction

El-Ma Ørsted V2 has been redesigned in a much more compact, elegant, and portable form while preserving exactly the same electronic architecture and sound character of the previous version. Instead of the wooden enclosure used in the V1 model, V2 is housed in a specially designed plastic enclosure that is durable, lightweight, and small enough to fit in the palm of your hand. This significantly improves portability and makes daily use much more practical.
In the new model, a convenient battery cover located on the back allows the 9V battery to be easily removed and replaced. The threaded mechanism of the cover enables quick and secure battery changes.
From an electronic standpoint, El-Ma Ørsted V2 offers the same sound sensitivity and detection capability as the previous version, using the same high-quality components and coils. The new version adopts a more compact and modern production approach.

Technical Specifications

- Bandwidth: Up to 140 kHz
- Components: Carefully selected, RoHS-compliant electronic components
- Manufacturing: High-quality printed circuit board (PCB)
- Power: Operates on a 9V battery
- Battery life: More than 150 hours with a standard 9V zinc-carbon battery
- Efficiency: The V2 version offers longer operating time compared to the previous model
- Detection: True stereophonic perception with two receivers
Output: 3.5 mm stereo jack

Dimensions

105 mm (length) × 68 mm (width) × 25 mm (height)

Package Contents

- El-Ma Ørsted V2 device
Note: The 9V battery is not included in the package.

Battery Replacement

Slide open the battery cover on the back of the device in the direction indicated by the arrow.
Remove the existing battery.
Insert a new 9V battery, paying attention to the polarity.
Slide the battery cover back into place to close it.

Battery life: More than 150 hours of operation can be achieved with a standard 9V zinc-carbon battery.

How to Use

1- Insert a 9V battery into the device (see Battery Replacement).
2- Connect headphones or an external audio system to the 3.5 mm stereo jack output.
3- Turn the device on by pressing the ON / OFF button. When the LED lights up, the device is active.
4- Move the device close to different electronic objects and environments, such as:
Computers
Mobile phones
Modems / routers
Power adapters
Cables and power outlets
LCD / LED screens
5- The detected electromagnetic signals will be heard in stereo. The sounds change depending on the position and angle of the device.

Tip: El-Ma Ørsted V2 produces interesting results in natural environments as well as in urban settings. Do not hesitate to experiment with different locations and devices.

Safety and Usage Notes

Keep the device away from liquids and excessive moisture.
Do not place the device in direct contact with high-voltage industrial systems.
Turn off the device when not in use.
Remove the battery if the device will not be used for an extended period.

Experimental and Artistic Use

El-Ma Ørsted V2 is not only a listening device but also an instrument for experimental music and sound design. When used together with recording equipment, effects pedals, and modular systems, it allows you to create unique soundscapes.

FRONT PANEL

Device Controls and Parts

1. ON / OFF button: Turns the device on and off
2. LED indicator: Shows when the device is active
3. 3.5 mm stereo output: For connecting headphones, speakers, or an audio interface
4. Rear battery cover: Provides access to the 9V battery compartment
5. Top receiver areas: The sections where electromagnetic signals are detected

WARRANTY CONDITIONS

Diy kits are not covered by Vaemi warranty. Vaemi is not responsible for and accepts no responsibility for assembly errors or other problems with DIY kits.
Vaemi gives a two-year warranty on this product when you get it assembled.

Vaemi gives a one-year warranty for this product. The warranty period starts after the day you buy the product. (A proof of purchasing / a bill is required). Mistakes such as using the wrong power supply, connecting the cable to the bus board or the module in the wrong way, using a faulty flat (ribbon) cable, taking off the components, changing the front board, forwarding an output to another one will take the product out of warranty. In such a case, you will need to pay the normal service fee. Vaemi is not responsible, and will not take responsibility, for the damage that the product or the user may face because of operating the product. During the warranty period, a faulty product will be repaired by Vaemi for free. Shipping fees for sending the product back to Vaemi will be paid by the buyer.
For your further questions, please contact us on vaemisynth@gmail.com.

CE/REACH Compliant/RoHS Compliant
All Vaemi product are assembled with parts and materials that are compliant with CE/REACH/RoHs standards.

made in Türkiye